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Substitute for form 1449A/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/669,183
		Filing Date	
		First Named Inventor	COOK, Bruce A.
		Art Unit	
		Examiner Name	
Sheet 1 of 2	Attorney Docket Number	P05820US01	

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 6,099,605	08-08-2000	Cook et al.	
	2	US- 6,432,855 B1	08-13-2002	Cook et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	3	JP 2003-128466 with machine translation	5/2003			
	4	JP 2003-192441 with machine translation	7/2003			

Examiner Signature		Date Considered	7/13/04
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*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	101669,183
		Filing Date	
		First Named Inventor	COOK, Bruce A.
		Group Art Unit	
		Examiner Name	
Sheet 2 of 2	Attorney Docket Number	P05820US01	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
✓	5	Y. TIAN et al., Microstructure and nanomechanical properties of A1-Mg-B-Ti films synthesized by pulsed laser deposition, Thin Solid Films 418 (2002) 129-135 (no month)	
✓	6	RAM CHERUKURI et al., Pulsed laser deposition of A1MgB ₁₄ on carbide inserts for metal cutting, Surface and Coatings Technology 155 (2002) 112-120 (no month)	
✓	7	Y. TIAN et al., Microstructure Evolution of A1-Mg-B Thin Films by Thermal Annealing, Journal of Vacuum Science & Technology, Vol. 21 (4), pp. 1055-1063, 2003 (no month)	
✓	8	RAM CHERUKURI and PAL MOLIAN, Lathe Turning of Titanium Using Pulsed Laser Deposited, Ultra-Hard Boride Coatings of Carbide Inserts, Machine Science and Technology, Vol.7, No. 1, pp. 119-135, 2003 (no month)	
✓	9	B. A. COOK, et al., A New Class of Ultra-Hard Materials Based On A1MgB ₁₄ , Scripta mater, 42(2000) 597-602 (no month)	

Examiner Signature		Date Considered	7/13/04
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